

# CoraLite® Plus 488-conjugated OLIG2 Monoclonal antibody

Catalog Number: **CL488-66513**

## Basic Information

Catalog Number: CL488-66513	GenBank Accession Number: BC047511	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 10215	CloneNo.: 1E8C5
Source: Mouse	UNIPROT ID: Q13516	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: oligodendrocyte lineage transcription factor 2	
Immunogen Catalog Number: AG18838	Calculated MW: 32 kDa	
	Observed MW: 35-39 kDa	

## Applications

Tested Applications:  
IF-P

Species Specificity:  
Human, mouse, rat

## Background Information

OLIG2, also named as BHLHB1, BHLHE19, PRKCBP2 and RACK17, is required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Cooperates with OLIG1, OLIG2 establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NIKX2-2-induced V3 interneuron development. OLIG2 is widely expressed in subsets of glia cells and progenitors, and it is strongly induced at different sites by both acute and chronic injury, albeit with different mechanisms. OLIG2 acts as a repressor of neurogenesis in cells reacting to brain injury. It may represent an effective approach towards evoking neuronal repair from parenchymal precursors.(PMID:19390819)

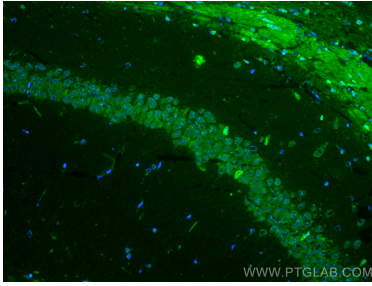
## Storage

Storage:  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

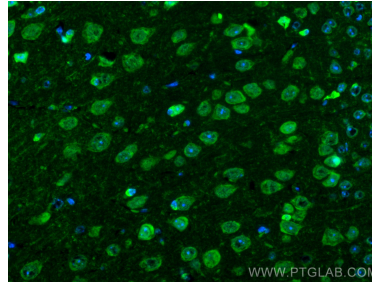
Storage Buffer:  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Coralite® Plus 488 Olig2 antibody (CL488-66513, Clone: 1E8C5 ) at dilution of 1:200.



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